

Application No.: 09/895,025  
Reply to Office Action of November 6, 2003

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claim 1 (Currently Amended): A semiconductor device comprising:  
a semiconductor element having an electrode;  
a metal block having a first surface and a second surface opposite to said first surface;  
an electrode terminal joined to said first surface of said metal block; and  
a ceramic substrate having metal layers formed on both surfaces, one of said metal layers joined directly by a first jointing material to said second surface of said metal block and having metal layers formed on both surfaces,  
wherein said semiconductor element and said electrode are joined to said first surface of said metal block through a second jointing material.

Claim 2 (Original): The semiconductor device according to claim 1, wherein said metal layers formed on said both surfaces of said ceramic substrate are the same with each other in thickness.

Claim 3 (Previously Presented): The semiconductor device according to claim 1,  
wherein  
said semiconductor element includes a plurality of semiconductor elements;

Application No.: 09/895,025  
Reply to Office Action of November 6, 2003

    said metal block and said ceramic substrate are separated per insulation unit of at least one of said plurality of semiconductor elements;

    said metal block is provided to be in correspondence with at least one of said plurality of semiconductor elements; and

    said ceramic substrate extends over all of said plurality of semiconductor elements for forming said insulation unit.

Claim 4 (Currently Amended): The semiconductor device according to claim 1, wherein said metal block includes a surface having a region larger than a surface of said second jointing material on a side opposite to said second jointing material, said surface of said second jointing material lying on a side opposite to said semiconductor element.

Claim 5 (Currently Amended): The semiconductor device according to claim 1, wherein

    a gap between said metal block and said semiconductor element becomes wider as a distance from a center of said semiconductor element becomes longer; and  
    said gap is filled with said second jointing material.

Claim 6 (Original): A semiconductor device comprising:  
    a metal block having a first surface and a second surface opposite to said first surface;  
    a semiconductor element joined to said first surface of said metal block through a jointing material;

Application No.: 09/895,025  
Reply to Office Action of November 6, 2003

a resin insulating layer having a third surface and a fourth surface opposite to said third surface, said third surface being joined to said second surface of said metal block; and a resin package for sealing said metal block and said semiconductor element, wherein said fourth surface of said resin insulating layer is exposed, and said resin insulating layer has an elasticity higher than that of said resin package.

Claim 7 (Original): The semiconductor device according to claim 6, wherein said resin insulating layer is made of a silicon resin including a ceramic material for filling said silicon resin.

Claim 8 (Original): The semiconductor device according to claim 6, wherein said metal block is provided per insulation unit of said semiconductor element.

Claim 9 (Previously Presented): The semiconductor device according to claim 6, wherein said metal block includes a surface having a region larger than a surface of said jointing material on a side opposite to said jointing material, said surface of said jointing material lying on a side opposite to said semiconductor element.

Claim 10 (Original): The semiconductor device according to claim 6, wherein a gap between said metal block and said semiconductor element becomes wider as a distance from a center of said semiconductor element becomes longer; and said gap is filled with said jointing material.

Application No.: 09/895,025  
Reply to Office Action of November 6, 2003

Claim 11 (Previously Presented): The semiconductor device according to claim 1,  
wherein

    said semiconductor element includes a plurality of semiconductor elements;  
    said metal block and said ceramic substrate are separated per insulation unit of at least  
    one of said plurality of semiconductor elements;  
    said ceramic substrate is provided to be in correspondence with at least one of said  
    plurality of semiconductor elements; and  
    said metal block extends over all of said plurality of semiconductor elements for  
    forming said insulation unit.